

Abstract Of The Disclosure

A valve actuator for operating a gas exchange valve of an internal combustion engine has a sleeve-shaped positioning piston which is connected to a valve stem, has at least two shell-shaped wedge pieces enclosing a stem end of the valve stem, 5 whose radially outer peripheral surfaces have a conical segment which tapers off with increasing distance from the gas exchange valve and which is at least partially surrounded by a conical clamping sleeve having a mating conical inner surface and is connected to the positioning piston. The wedge pieces are axially form-fittingly and rotatably connected to a threaded bolt. A threaded segment is provided on the 10 threaded bolt via which the wedge pieces and the conical clamping sleeve are axially attachable to one another.